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PATENT

Docket No.: 019397-000400PC

Client Reference No.:00-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steven H. Strauss

Application No.: PCT/US02/20973

Filed: June 27, 2002

For: EXTRACTION AND RECOVERY  
OF IONS FROM A SOLUTION

COMMUNICATION

International Bureau of WIPO  
34 chemin des Colombettes  
1211 Geneva 20  
Switzerland

Sir:

This letter is being provided solely for the convenience of the Examiner in conjunction with the Article 19 amendment submitted herewith. This letter simply presents the claim amendments made in the replacement pages of the Article 19 amendment in a format similar to that in U.S. amendment practice.

IN THE CLAIMS:

In the following claims, new text is underlined and in bold and deleted text appears has a strikethrough and is in bold.

- 1                    1            (Amended)    A method for removing and recovering ~~an~~ **a**
- 2            **perfluoroalkylsulfonate or a perfluoroalkyl carboxylate** ion from a solution
- 3            comprising:
- 4                    (a)        contacting said solution with a solid ion extractant comprising a
- 5            recyclable activated ion coordinating agent to remove at least a portion of said ion
- 6            from said solution;
- 7                    (b)        deactivating said ion coordinating agent;+
- 8                    (c)        dissolving said ion in a recovery solvent and removing said ion
- 9            from said solid ion extractant; and
- 10                    (d)        recovering said ion from said recovery solvent.

1                    2        (Canceled).

1                    3.        (Canceled).

1                    4.        (As Filed)     The method of Claim 1, wherein said ion  
2 coordinating agent comprises a lipophilic portion.

1                    5.        (As Filed)     The method of Claim 1, wherein said active ion  
2 coordinating agent is ionizable in an aqueous solution.

1                    6.        (As Filed)     The method of Claim 1, wherein said step of  
2 removing said ion from said solution comprises an ion-exchange process.

1                    7        (As Filed)     The method of Claim 1, wherein said ion  
2 coordinating agent is an organometallic compound.

1                    8        (As Filed)     The method of Claim 7, wherein said ion  
2 coordinating agent is redox-recyclable.

1                    9.        (As Filed)     The method of Claim 8, wherein said ion  
2 coordinating agent is oxidized prior to said step (a).

1                    10.       (As Filed)     The method of Claim 9, wherein said oxidation  
2 step comprises an electrochemical oxidation process.

Respectfully submitted,



Don D. Cha  
Reg. No. 40,945

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
Tel: (303) 571-4000  
Fax: (303) 571-4321  
DDC:bhr